

This listing of claims will replace all prior versions, and listings, of claims in the application.

### **Listing of Claims**

Claim 1 (canceled)

Claim 2 (currently amended): A filter of a smoking article ~~as in claim 1~~ comprising catalytically active carbon impregnated with at least one heavy metal, and wherein the at least one heavy metal is incorporated within graphitic sheets of the catalytically active carbon, and further including sulfur or nitrogen ligation of the at least one incorporated metal contained within the active carbon.

Claim 3-10 (canceled)

Claim 11 (previously amended): A method of filtering smoke of a smoking article including the steps of establishing a flow of mainstream tobacco smoke, passing the mainstream tobacco smoke through a filter comprising catalytically active carbon impregnated with at least one heavy metal, and wherein the at least one heavy metal is incorporated within graphitic sheets of the catalytically active carbon, and further including sulfur or nitrogen ligation of the at least one incorporated metal contained within the active carbon, and selectively oxidizing or absorbing selected gas phase components from the smoke.

Claim 12 (previously amended): A smoking article comprising a tobacco rod and a filter element including catalytically active carbon impregnated with at least one heavy metal, and wherein the at least one heavy metal is incorporated within graphitic sheets of the catalytically active carbon, and further including sulfur or nitrogen ligation of the at least

one incorporated metal contained within the active carbon.

Claim 13 (previously amended): An activated carbon comprising catalytically active carbon impregnated with at least one heavy metal, and wherein the at least one heavy metal is incorporated within graphitic sheets of the catalytically active carbon, and further including sulfur or nitrogen ligation of the at least one incorporated metal contained within the active carbon.

Claim 14 (previously presented): An activated carbon as in claim 13 wherein the heavy metal is selected from the group consisting of Mg, Al, Si, P, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, Y, Zr, Nb, Mo, La, Ce, other lanthanides, Hf, Ta, W, Pb and Bi.

Claim 15 (previously presented): An activated carbon as in claim 13 including catalytically active carbon produced by heat treatment of carbon in the presence of heavy metals and nitrogenous or sulfurous materials.